

FIGURE S1, related to Figure 1

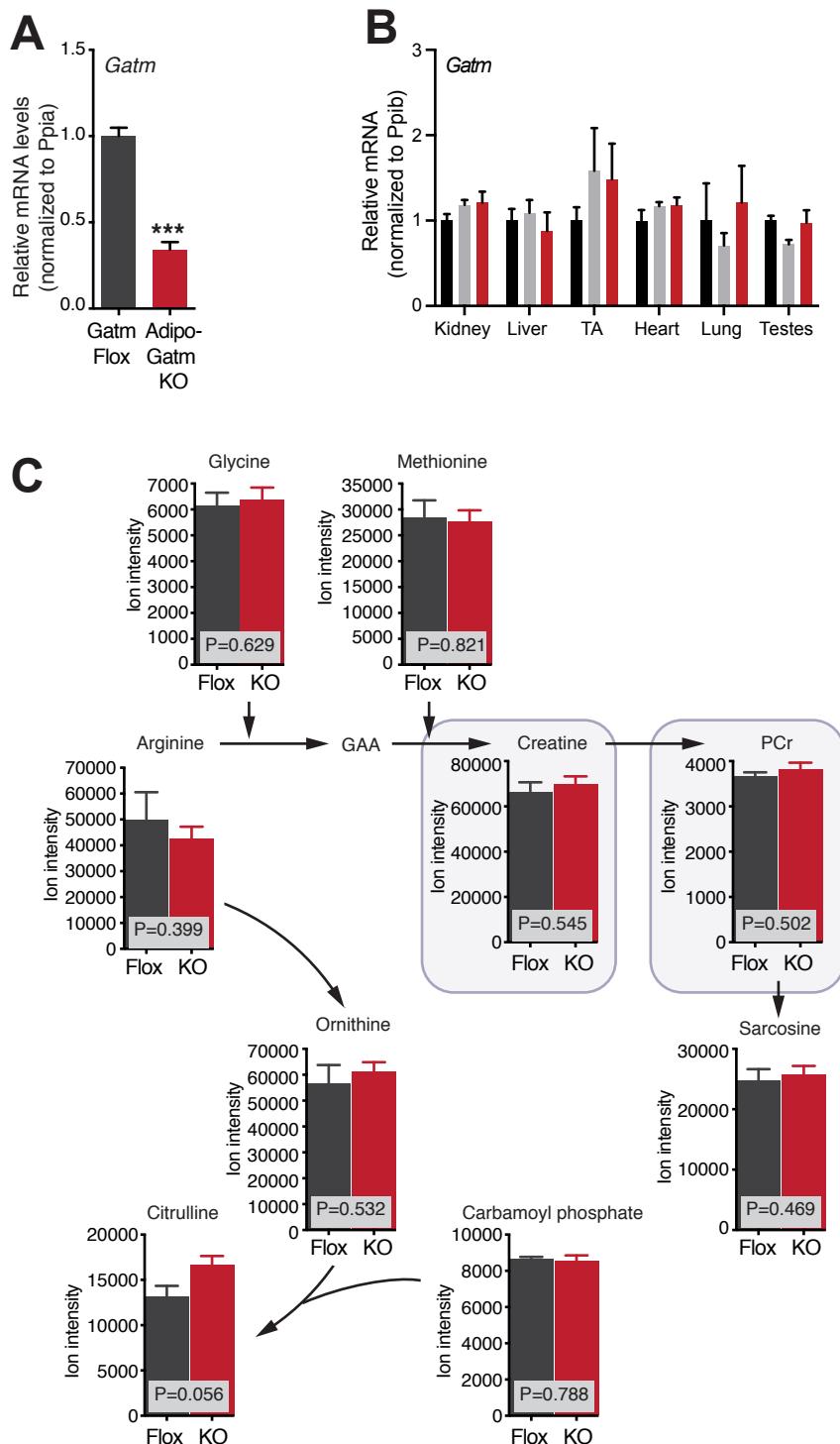


FIGURE S2, related to Figure 2

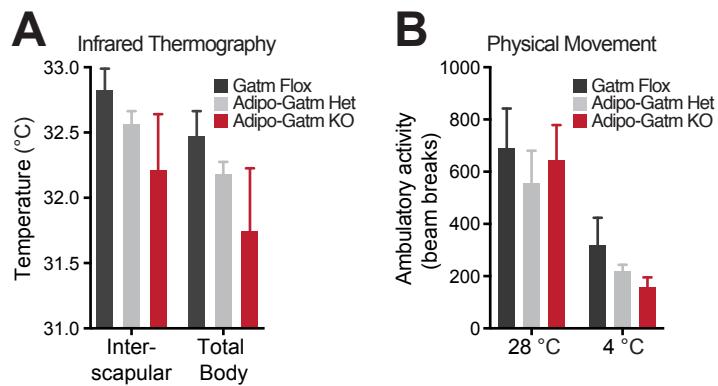
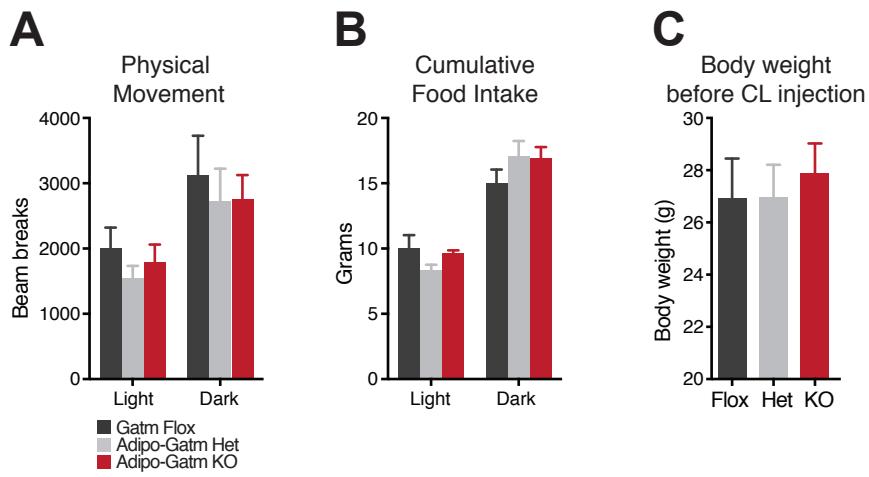


FIGURE S3, related to Figure 5



SUPPLEMENTARY FIGURE LEGENDS

Figure S1. Related to Figure 1. Disruption of *Gatm* and creatine metabolism in adipose tissue.

(A) qRT-PCR of *Gatm* in primary inguinal subcutaneous adipocytes from flox and KO mice, n = 3. **(B)** qRT-PCR of *Gatm* from multiple tissues from flox, het and KO mice, n = 3 mice per genotype. **(C)** LC-MS analysis of metabolites upstream and downstream of GATM activity in heart tissue from KO compared to flox animals, n = 6-9 mice per genotype. Data are presented as means ± SEM. ***p < 0.01.

Figure S2. Related to Figure 2. Thermal biology of Adipo-Gatm KO mice.

(A) Body temperature based on infrared thermography, n = 3-5 mice per genotype. **(B)** Average physical movement (beam breaks) at 28°C and following transition to 4°C, n = 6 mice per genotype. Data are presented as means ± SEM.

Figure S3. Related to Figure 5. Physical movement, food intake and body weights in metabolic cages.

(A) Average physical movement (beam breaks) at 28°C. **(B)** Cumulative food intake at 28°C in the light and dark cycles after 5 days of high fat feeding in metabolic cages. **(C)** Body weight prior to CL injection at 28°C. Data are presented as means ± SEM, n = 6 mice per genotype.